## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

## **Listing of Claims:**

- 1. (Currently Amended) An array hybridization apparatus for separating a slide from a substrate backing, comprising: (a) [[A]]a slide 110 for holding an array; (b) a substrate backing 125 being positioned opposite the slide; (c) a gasket 127 interposed between the slide and the substrate backing 125; and (d) a spacer 129 interposed between the slide 110 and the substrate backing 125 adjacent to the gasket 127 wherein when a sufficient force 150, 150' is applied to the substrate backing 125 and the slide 110, a portion of the slide 110 separates from the substrate backing 125 permitting disassembly of the slide 110 from the substrate backing 125.
- 2. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the gasket 127 comprises a deformable material.
- 3. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the spacer 129 comprises a substantially non-deformable material.
- 4. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the gasket 127 is attached to the slide 110.
- 5. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the gasket <u>127</u> is attached to the substrate backing <u>125</u>.
- 6. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the gasket 127 comprises a portion of the substrate backing 125.

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- 7. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the gasket 127 is attached to both the slide 110 and the substrate backing 125.
- 8. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the spacer 129 is attached to the slide 110.
- 9. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the spacer 129 is attached to the substrate backing 125.
- 10. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the spacer 129 is attached to both the slide 110 and the substrate backing 125.
- II. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the spacer 129 comprises a material selected from the group consisting of polyurethanes, plastics, acrylics, metals and non-deformable or less deformable polymers.
- 12. (Currently Amended) An array hybridization apparatus as recited in claim 1, wherein the spacer 129 is between 25 to 500 microns in height,
- 13. (Currently Amended) An array hybridization apparatus as recited in claim 11, wherein the <u>array hybridization apparatus defines an array hybridization chamber [[is ]]having a height of between 25 to 1000 microns in height.</u>
- 14. (Currently Amended) A method of disassembling an array hybridization apparatus having a slide contacting a gasket and spacer, comprising: a. applying a force 150, 150' to the edge of [[the ]]a slide 110 to separate a portion of the slide 110 from [[the ]]a substrate backing 125.

15. (Currently Amended) An array hybridization apparatus as recited in claim 1, further comprising a living hinge 142 that aids in the separation of the backing 125 from the slide 110.

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- 16. (Currently Amended) An array hybridization apparatus as recited in claim 1, further comprising a lever 164 rotatably mounted on a hinge.
- 17. (New) The array hybridization apparatus as recited in claim 1, wherein spacer 129 is spaced from gasket 127 by about 1 cm to 5 cm.
- 18. (New) The array hybridization apparatus as recited in claim 1, further comprising tabs 154, 154' extending away from substrate backing 125, slide 110, or both.